

From: "Goff, Richard" <Richard.Goff@pacificorp.com>
To: "'Alexander, Jeff - USFS'" <jalexander@fs.fed.us>, "'Haddock, Daron - DOGM'" <daronhaddock@utah.gov>, "'Lloyd, Tom - USFS'" <twlloyd@fs.fed.us>, "'Stephens, Don - BLM'" <don_stephens@blm.gov>
Date: 5/5/03 4:17PM
Subject: Drilling Issues & Revised Schedule - Well JC3

This afternoon, May 5, we penetrated to a depth of 756' and lost the drilling fluid into the mine workings. Tomorrow our driller will complete the penetration to the roof (at EL 772"), remove the wash-over guide casing, and begin cleaning up and stabilizing the hole. It will likely be late in the week before we begin drilling below the workings.

Richard Goff

> -----Original Message-----

> From: Goff, Richard
> Sent: Tuesday, April 22, 2003 2:09 PM
> To: 'Alexander, Jeff - USFS'; 'Haddock, Daron - DOGM'; 'Lloyd, Tom - USFS'; 'Stephens, Don - BLM'
> Subject: FW: Drilling Problems and Revised Schedule - Well JC3
>
> Well JC drilling problems FYI. Please read below to keep you informed.
>
> Richard Goff
>

> -----Original Message-----

> From: Goff, Richard
> Sent: Monday, April 21, 2003 4:27 PM
> To: Garritson, Craig; Sharp, Dave; Brozovich, Fred; Mansfield, Mark; Cunningham, Barry
> Cc: Allred, Cody; Guymon, Darce; Burton, Carlyle; 'Johnson, Doug - CFC'; 'Hansen, David - HAL'; 'Fry, Rodger'
> Subject: RE: Drilling Problems and Revised Schedule - Well JC3
>
> Referencing our latest problem - This is going to take some time to resolve. Depending on what the video shows Lang's options are:
>
> 1) Use tools to grab the bit from the outside
> 2) Spear the 9" from the center
>
> Lang has special equipment incoming and fabrications in process for either option.
>
> Bottom line is that it will likely be Friday evening before Lang starts reaming again.
>
> Richard Goff
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> -----Original Message-----

> From: Goff, Richard
> Sent: Monday, April 21, 2003 2:04 PM
> To: Garritson, Craig; Sharp, Dave; Brozovich, Fred; Mansfield, Mark; Cunningham, Barry

> Cc: Allred, Cody; Guymon, Darce; Burton, Carlyle; 'Johnson, Doug
> - CFC'; 'Hansen, David - HAL'; 'Fry, Rodger'
> Subject: RE: Drilling Problems and Revised Schedule - Well
> JC3
>
> While reaming the 31" (ID 6) the driller's bit and rod sheared off
> at a depth of 625'. They have the bit and 60' of shaft still in the hole.
> They are going to video the hole to evaluate options. More later.
>
> Richard Goff
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> -----Original Message-----
> From: Goff, Richard
> Sent: Monday, April 14, 2003 12:30 PM
> To: Garritson, Craig; Sharp, Dave; Brozovich, Fred;
> Mansfield, Mark; Cunningham, Barry
> Cc: Allred, Cody; Guymon, Darce; Burton, Carlyle;
> 'Johnson, Doug - CFC'; 'Hansen, David - HAL'; 'Fry, Rodger'; 'Bergon, Dave
> - Wasatch Electric'; 'Maughan, Kent - Wasatch Elec'; 'Weismose, Jay -
> Saftronics'; Lamb, David; 'Mayer, Randy - Lang Exp Drill'; 'Krug, Scott -
> Lang Exp Drill'
> Subject: Drilling Problems and Revised Schedule -
> Well JC3
>
> As some of you know, our driller has lost his pilot boring
> alignment for the third time. The latest event occurred April 10-11 while
> reaming the second 15" pilot boring to 19" diameter. We have a video of
> the downhole arrangement with the reaming alignment diverting at a depth
> of about 625'. To improve our opportunity for success going forward the
> driller plans to use a different, improved approach, which includes a
> special bit fabrication, "guide casing" and "wash over method." Rodger
> has reviewed the plan and reports it looks favorable. An optimistic look
> at a schedule ahead follows:
>
> ID Activity
> Finish Date
> 1 Cement back hole to 32" and depth 527'
> April 13
> 2 Wait on cement cure
> Drill centerized 19" diameter hole 10' in cement
> Position directional drilling tools
> April 14
> 3 Directional drill 15" pilot boring to mine X-cut
> April 18
> 4 Position 9" diameter casing w/ grout basket
> April 19
> 5 Cement 9" casing in 15" pilot boring
> April 20
> 6 Bore 31" diameter to mine workings
> using wash over method
> April 25
> 7 Bore 31" diameter 350' below mine workings
> April 30
> 8 Spinner test, if required

> May 1
> 9 Install casing & pump
> May 15
> 10 Electrical and surface work
> May 25
>
> The above schedule reflects no allowance for annulus
> grouting. Delivery on a packer to do the annulus grouting may have an
> extended lead time. Please reply if you have comments.
>
> Richard Goff

CC: "Huntington Water Resources"
<IMCEAEX-_O=PACIFICORP_OU=SLC_CN=DISTRIBUTION+20LISTS_CN=HUNTWTRRES@PacifiCorp.com>, "Cunningham, Barry" <Barry.Cunningham@pacificorp.com>, "'Johnson, Doug - CFC'" <dejohnson@archcoal.com>, "'Fry, Rodger'" <rcfry@attbi.com>, "'Hansen, Chris - CFC'" <CHansen@archcoal.com>, "'Hansen, David - HAL'" <dhansen@hansenallenluce.com>